LISTING OF CLAIMS

The present listing of claims replaces all prior versions.

1(CURRENTLY AMENDED). A player for reading data from an optical disc having data disposed along a spiral comprising:

~~a rotation detector that detects the direction in which the disc has to be rotated in order to read the data;~~

~~———~~a controller generating a first command to rotate the optical disc in a first direction when the disc is first inserted into the player ~~coupled to said rotation detector and generating a command in response~~;

a motor receiving said first command and rotating ~~said~~ the disc in said first direction; ~~and~~

a first laser head positioned to read the data from the disc as the disc is rotated by the motor;

wherein said controller is adapted to detect standard data in a predetermined area of the disc and if no data is detected, the controller generates a second command for reversing the rotation of said disc. .

2 CANCELLED

3(CURRENTLY AMENDED) The player of claim 1 wherein said disc has two data sides~~.~~, further comprising ~~a first and~~ a second laser head, said first and second laser heads being positioned adjacent to respective sides of the disc.

4(ORIGINAL) The player of claim 3 wherein said laser heads read data from said sides sequentially.

5(ORIGINAL) The player of claim 4 wherein said laser heads read data from said sides simultaneously.

6(ORIGINAL) The player of claim 1 wherein said disc has a data side with at least two data layers, wherein said laser head is adapted to read data selectively from one or the other of said data layers.

7(CURRENTLY AMENDED) The player of claim 1 further comprising a manual selector for the selection of the direction of said disc, said rotation detector being coupled to said manual selector; and a display;

and wherein in response to said second command, said display provides instructions to a user.

8(CURRENTLY AMENDMENT) A player reading data from a ~~double-sided~~ disc having at least one of two configurations, in one configuration the disc having data arranged along a right handed spiral ~~on one side and a left handed spiral on the other side~~, in the second configuration the disc having data arranged ~~in spirals in the same direction on both sides~~ along a left handed spiral, said disc further including machine-readable rotation specific data indicating the proper direction of rotation of the disc, comprising:

a reader arranged and constructed to read said rotation specific data from the disc to determine the proper direction of rotation of the disc;

a controller coupled to said ~~rotation detector~~ reader and generating a command in response;

a motor receiving said command and rotating said disc in a corresponding direction; and

a first laser head positioned to read the data from the disc as the disc is rotated by the motor.

9 CANCELLED

10(ORIGINAL) The player of claim 8 further comprising a second laser head, said first laser head reading data from a first side of the disc and said second laser head reading data from the second side of the disc.

11(ORIGINAL) The player of claim 8 wherein said motor rotates the disc in the same direction while data is being read from either side of the disc.

12(ORIGINAL) The player of claim 8 wherein said motor rotates the disc in one direction when reading data from one side and the other direction when reading data from the other side.

13(ORIGINAL) The player of claim 8 wherein the disc includes at least two data layers on one side and said first laser disc reads data selectively from said data layers.

14 CANCELLED

15(CURRENTLY AMENDED) The player of claim 8 wherein said ~~detector~~ reader reads reverse data from the disc.

16(CURRENTLY AMENDED) The player of claim 8 wherein said ~~disc detector~~ controller cooperates with said motor to rotate said disc in one of a first and second direction to determine the configuration of the disc.

17(CURRENTLY AMENDED) A method of playing discs comprising:

inserting a disc in a player;

rotating said disc in a predetermined direction;

attempting to read data from said disc as the disc is rotating in said predetermined direction; and

if no data can be read from the disc, then generating a command signal.

~~determining if a disc requires a first or a second direction of rotation;~~

~~rotating the disc in the required direction of rotation; and~~

~~reading data from the disc.~~

18(CURRENTLY AMENDED) The method of claim 17 wherein ~~said step of determining includes receiving a selection signal from the user~~ in response to said command, instructions are presented to the user.

19(ORIGINAL) The method of claim 17 further comprising rotating the disc in a predetermined direction for either side of the disc.

20(ORIGINAL) The method of claim 17 further comprising rotating the disc in a first direction for the first side of the disc and rotating the disc in an opposite direction for the second side of the disc.

21 (NEW). The player of claim 7 wherein in response to said second command, said display generates instructions for a user to activate said manual selector

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22 (NEW). The player of claim 1 further comprising a display, wherein in response to said second command, said display shows instructions for a user to remove the disc and reverse it.

23 (NEW). The player of claim 1 wherein in response to said second command the motor reverses the direction of rotation of the disc.

24(NEW). The player of claim 8 wherein said rotation specific data is selected from the group consisting of BCA type coding and bar coding.

25 (NEW). The player of claim 8 wherein said rotation specific data includes a signal having a predetermined signal with a predetermined shape.

26 (NEW). A player for reading a disc having a first side and a second side with a first data layer on said first side and a second data layer on said second side, said data layers including data arranged along a spiral extending in the same direction as viewed from the respective side of the disc, said player comprising:

a first head disposed to read data from said first side;

a second head disposed to read data from said second side;

a motor rotating the disc in a first direction corresponding to the arrangement of the spiral on the first side, said motor rotating the disc in a second direction opposite said first direction corresponding to the arrangemne of the spiral on the second side; and

a controller controlling the operation of said motor for rotating saud disc in said first direction to read said first side and for rotating the disc in the second direction for reading said second side.

27 (NEW). The player of claim 26 wherein said disc includes more than one data layer on one of said sides, said player rotating said disc in the same direction for all the data layers on one of said sides.

28 (NEW). The player of claim 27 wherein data is arranged on both sides radially outwardly.

29 (NEW). The player of claim 27 wherein data is arranged on both sides radially inwardly.

30 (NEW). The player of claim 27 wherein data is arranged to be read in one radial direction on one side wherein data is arranged to be read in the opposite radial direction on the other side.

31 (NEW). The method of claim 18 further comprising automatically reversing the rotation of the disc in response to said control signal.